

## WHAT IS CLAIMED IS:

1. A photoconductor cell capable of optically changing color of light, the photoconductor cell being disposed on a liquid crystal display having a liquid crystal module, a photoconductor module being disposed under a bottom of the liquid crystal module, the photoconductor module having a photoconductor cell made of transparent substrate material, a top of the photoconductor cell having a light outgoing face, a bottom of the photoconductor cell having a photoconduction face, a reflecting layer being disposed under the photoconduction face, a light source being arranged on one side of the photoconductor cell, said photoconductor cell being characterized in that a brightening layer and a color-changing layer are integrally disposed under the light outgoing face of the photoconductor cell, the brightening layer being composed of a number of optical particles, an outer surface of each optical particle being formed with multiple projections, the color-changing layer being blended with predetermined color material.
2. The photoconductor cell capable of optically changing color of light as claimed in claim 1, wherein the brightening layer is positioned between the photoconduction face and the color-changing layer.
3. The photoconductor cell capable of optically changing color of

light as claimed in claim 1, wherein the color-changing layer is disposed under the bottom of the brightening layer.

4. The photoconductor cell capable of optically changing color of light as claimed in claim 1, wherein the color-changing layer is integrally formed in the photoconductor cell and the brightening layer is disposed on a top of the color-changing layer.

5. The photoconductor cell capable of optically changing color of light as claimed in claim 1, wherein the photoconduction face of the photoconductor cell is an inclined face, the photoconductor cell being tapered to have a thick end and a thin end, a light incoming face being formed on a lateral side of the thick end of the photoconductor cell, a light source being arranged on one side of the light incoming face distal from the thin end of the photoconductor cell, an arched reflecting mirror being positioned on one side of the light source distal from the photoconductor cell.

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